Opportunity Title: SRNL Postdoctoral Research Associate, Chemical Processing Technologies Section
Opportunity Reference Code: SRNL-17-01-ESD

Organization Savannah River National Laboratory (SRNL)

Reference Code SRNL-17-01-ESD

How to Apply

- Submit application and supporting documents by clicking on Apply Now button.
- *For more information, contact:* SRNLPostdocProgram@orau.org.

Application Deadline 4/15/2018 12:00:00 AM Eastern Time Zone

Description The Environmental Stewardship Directorate (ESD) at Savannah River National Laboratory (SRNL) seeks highly qualified candidates for a Postdoctoral Research Associate position in the Chemical Processing Technology Section at the Aiken, SC facility.

The successful candidate for this position will perform research into radiochemical separations, reprocessing of nuclear fuels, and novel actinide and ion-exchange materials. The research thrusts include:

- Actinide and fission product chemistry associated with the reprocessing of irradiated nuclear fuels
- Synthesis, characterization and performance of new materials for radiochemical separations
- Chemical and physical properties of actinide materials

Additional mission areas may include other Department of Energy offices, the International waste management community, and commercial entities with unique waste-disposal problems. The candidate is expected to support multiple programs/customers and possess strong verbal and written communication skills. The ability to work with multi-discipline teams to solve these problems will be crucial to the candidates and SRNL's success.

Location: This job will be located at Savannah River National Laboratory, Aiken, SC.

Compensation: Competitive salary with benefits.

Hours: Full-Time

Expected Start Date: The position is full-time and expected to begin in July 2017. The selected candidate will be a temporary employee of ORAU working as a Postdoctoral Research Associate at SRNL. The initial project is one year, with an options to renew for up to two additional 12 month option periods, depending on project needs and the continued availability of funding.

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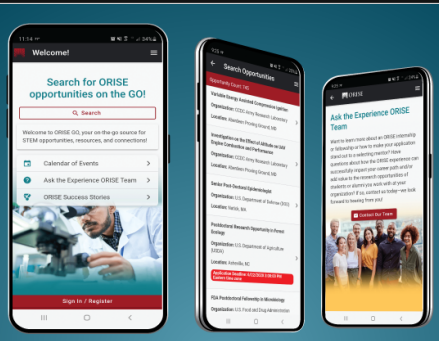

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Qualifications

Eligible applicants must:

- Be a US Citizen,
- Have earned a Ph.D. degree in Inorganic Chemistry, Radiochemistry, Materials Science, Chemical Engineering, or other related degree from an accredited university or college within the last 60 months, and
- Be capable of obtaining a security clearance.

Required Knowledge, Skills, Work Experience, and Education

The candidate should have experience in determining material properties using techniques such as but not limited to:

- Infrared
- UV-Vis
- Raman
- NMR spectroscopy
- Thermal analysis and calorimetry
- Scanning and transmission electron microscopy
- Particle size and surface-area techniques
- Powder or crystal X-ray diffraction
- Scattering and absorption techniques

Desired Knowledge, Skills, Work Experience, and Education

It is desirable for the applicant to have:

- Experience in handling radioactive materials
- Experience with organic/inorganic material synthesis, separations (i.e. solvent extraction or solid state ion exchange)

For general application process questions and program eligibility, please contact: SRNLPostdocProgram@orau.org.

Information on the Savannah River Nuclear Laboratory can be found at http://srnl.doe.gov/.

Applications will be accepted until the position is filled. Appointments are made through the Oak Ridge Institute for Science and Education (ORISE).

The SRNL Postgraduate Research Associates Program is administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12)

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- **Engineering** (27)

Affirmation I certify that I am at least 18 years of age; have earned a Ph.D. degree in Inorganic Chemistry, Radiochemistry, Materials Science, Chemical Engineering, or other related degree from an accredited university or college within the last 60 months, and a citizen of the United States of America.

ORAU is an Equal Opportunity Employer **(EOE AA M/F/Vet/Disability)**; visit the ORAU website for required employment notices.